Quiz 7: 2/2/15

Question 1

Write a program which uses pthreads to print the numbers 0-9 to standard out
in any random order. The program shall consist of 10 threads in addition to the
main thread, each printing a number. The main thread should wait until all
threads have finished and then print "done" before exiting.

Hint Here are a list of functions you may need:

- pthread_create(tid, attribute, routine, argument)
- pthread_join(tid, *status)
- pthread_exit(status)
- pthread_detach(tid)

```c
#include <stdio.h>
#include <stdlib.h>
#include <pthread.h>

void *thread(void* arg);

int main(int argc, char** argv)
{
    pthread_t threads[10];
    int i;
    for(i=0;i<10;i++)
    {
        pthread_create(&threads[i], NULL, thread, (void *)i);
    }

    for(i=0;i<10;i++)
    {
        pthread_join(&threads[i], NULL);
    }
    printf("done");
```

```c
    return 0;
}

void *thread(void* arg)
{
    printf("%d", (int)arg);
    return NULL;
}
```